

ABSTRACT OF THE DISCLOSURE

CO₂ emissions from Gas-to-Liquids (GTL) facilities such as, for example, Fischer-Tropsch facilities, are minimized by using recovered hydrogen as a fuel in at least one furnace in the GTL facility. A process for manufacturing hydrocarbonaceous products from a methane-containing feedstock in a GTL facility comprising at least one furnace generating reduced CO₂ emissions comprises forming syngas from a methane-containing feedstock by means of a partial oxidation reaction. A hydrogen rich fuel is used in at least one furnace in the GTL facility to reduce CO₂ emissions generated by the facility.